3.6.9 Energy Benchmarks for Newly Constructed Large Office Buildings, by Selected City and End-Use (thousand Btu per square foot)

	IECC Climate Zone	Heating	Cooling	Water Heating	Ventilation (1)
Miami	1A	0.2	18.7	0.2	2.8
Houston	2A	3.2	15.2	0.3	2.5
Phoenix	2B	2.2	13.9	0.3	2.9
Atlanta	3A	3.1	11.1	0.4	2.1
Los Angeles	3B	0.5	8.6	0.4	1.9
Las Vegas	3B	1.4	8.4	0.3	2.2
San Francisco	3C	4.2	5.0	0.4	1.7
Baltimore	4A	6.2	9.8	0.4	2.1
Albuquerque	4B	3.0	5.4	0.4	1.9
Seattle	4C	5.7	3.8	0.4	1.5
Chicago	5A	9.5	6.4	0.5	1.7
Boulder	5B	5.4	4.1	0.5	1.7
Minneapolis	6A	14.4	5.8	0.5	1.7
Helena	6B	10.0	3.1	0.5	1.5
Duluth	7	17.6	3.3	0.6	1.6
Fairbanks	8	31.7	1.7	0.6	1.3

Note(s): Commercial building energy benchmarks are based off of the current stock of commercial buildings and are designed to provide a consistent baseline to compare building performance in energy-use simulations. The benchmark building had 498,588 square feet and 12 floors. Benchmark interior lighting energy = 10.7 thousand Btu/SF. Interior equipment energy consumption = 15.94 thousand Btu/SF.

Source(s): DOE/EERE/BT, Commercial Building Benchmark Models, Version 1.3_5.0, November 2010, accessed at <http://www1.eere.energy.gov/buildings/commercial_initiative/new_construction.html>.